STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10/589,594
Source:	1FWP
Date Processed by STIC:	8/28/06
_	7 7

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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 U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
 Alexandria, VA 22314

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING DATE: 08/28/2006
PATENT APPLICATION: US/10/589,594 TIME: 10:43:27

Input Set : A:\082368-008900US.txt

Output Set: N:\CRF4\08282006\J589594.raw

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             Furukawa, Yoichi
     7 <120> TITLE OF INVENTION: METHOD FOR DIAGNOSING COLORECTAL CANCERS
     10 <130> FILE REFERENCE: 082368-008900US
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/589,594
C--> 12 <141> CURRENT FILING DATE: 2006-08-15
     12 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/002145
     13 <151> PRIOR FILING DATE: 2004-02-24
                                                                  see P. 8
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     17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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    31 ggaccgccag ggagggcagg tcagtgggca gatcgcgtcc gcgggattca atctctgccc 180
    32 getetgataa eagteetttt eeetggeget eaettegtge etggeaeeeg getgggegee 240
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    34
                                                                   Met
    37 tot too aga agt acc aaa gat tta att aaa agt aag tgg gga tog aag
    38 Ser Ser Arg Ser Thr Lys Asp Leu Ile Lys Ser Lys Trp Gly Ser Lys
    39
                     5
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    41 cct agt aac tcc aaa tcc gaa act aca tta gaa aaa tta aag gga gaa
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    42 Pro Ser Asn Ser Lys Ser Glu Thr Thr Leu Glu Lys Leu Lys Gly Glu
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    45 att gca cac tta aag aca tca gtg gat gaa atc aca agt ggg aaa gga
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    46 Ile Ala His Leu Lys Thr Ser Val Asp Glu Ile Thr Ser Gly Lys Gly
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                                 40
    49 aag ctg act gat aaa gag aga cac aga ctt ttg gag aaa att cga gtc
                                                                           488
    50 Lys Leu Thr Asp Lys Glu Arg His Arg Leu Leu Glu Lys Ile Arg Val
    51 50
                             55
                                                 60
    53 ctt gag gct gag aag gag aag aat gct tat caa ctc aca gag aag gac
                                                                           536
    54 Leu Glu Ala Glu Lys Glu Lys Asn Ala Tyr Gln Leu Thr Glu Lys Asp
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                         70
    57 aaa gaa ata cag cga ctg aga gac caa ctg aag gcc aga tat agt act
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    58 Lys Glu Ile Gln Arq Leu Arg Asp Gln Leu Lys Ala Arg Tyr Ser Thr
    59
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Input Set : A:\082368-008900US.txt
Output Set: N:\CRF4\08282006\J589594.raw

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		_	_	Leu	_	_	_	_			_	_					032
63			100					105					110	-			
65 a	agg	gag	cag	gtg	ttg	aaa	gcc	tta	tct	gaa	gag	aaa	gac	gta	ttg	aaa	680
66 <i>I</i>	Arg	Glu	Gln	Val	Leu	Lys	Ala	Leu	Ser	Glu	Glu	Lys	Asp	Val	Leu	Lys	
67		115					120					125					
		_	_	tct	_	_			_		_	~		_	_		728
		Gln	Leu	Ser	Ala		Thr	Ser	Arg	Ile		Glu	Leu	Glu	Ser		
71 :						135					140					145	776
				ctc													776
74 : 75	Int	ASII	THE	Leu	150	ьeu	ser	GIII	IIII	155	AIA	PIO	ASII	cys	160	ASII	
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				Asn				_	_	_		_					001
79	-			165					170					175			
81 (ctg	gag	aaa	aat	cag	cag	tgg	ctc	gtg	tat	gat	cag	cag	cgg	gaa	gtc	872
82 1	Leu	Glu	Lys	Asn	Gln	Gln	Trp	Leu	Val	Tyr	Asp	Gln	Gln	Arg	Glu	Val	
83			180					185					190				
		_		gga			_	_			_						920
	Tyr		Lys	Gly	Leu	Leu		Lys	Ile	Phe	Glu		Glu	Lys	Lys	Thr	
87		195					200					205					0.50
-	_		_	gct					_	_			-		_		968
90 0		Thr	Ala	Ala	HIS	215	ьeu	PIO	GIII	GIII	220	ьуѕ	гуѕ	PLO	GIU	225	
		aat	tat	ctt	caa		gag	aaq	cad	aaa		tac	aac	gat.	ata		1016
				Leu													
95		2	- 2 -	•	230			4		235	•	4		-	240		
97	gca	agt	gca	aaa	aaa	gat	ctt	gag	gtt	gaa	cga	caa	acc	ata	act	cag	1064
98 2	Ala	Ser	Ala	Lys	Lys	Asp	Leu	Glu	Val	Glu	Arg	Gln	Thr	Ile	Thr	Gln	
99				245					250					255			
	_	_		_	_	-	_		_	_						caa	1112
	Leu	ı Ser			ı Let	ı Ser	GIU		_	J Arg	і гля	з Туг	270 270		ı ın:	r Gln	
103	222		260		r aat	· ++=		265		t ttc	, tat	· tca			a acc	g gca	1160
																g Ala	1100
107	y	275					280		0.		1-	285		:		,	
	qat			a cat	cto	qaa			ago	cat	aaa	aca	gad	g aag	ata	a caa	1208
																e Gln	
111	290)				295	;				300)				305	
							_		-							a gag	1256
	Lys	Lei	ı Arç	g Glı			ı Asp) Ile	: Ala		-	Lys	: Le	ı Glı		ı Glu	
115					310					315					32		
																c aca	1304
	гуѕ	ь гуя	s Arc	g Ser 325		GIU	Leu	тет	330		ı val	LGII	ı Pne	з ьеі 339		r Thr	
119	tat	ata	, ota								200	ata	act			g gaa	1352
																ı Glu	1332
123												,					
123			340)				345)				350)			
		cac			a aca	ı tat	act			ttt	. qaa	a aat			a ct	c gac	1400

Input Set : A:\082368-008900US.txt
Output Set: N:\CRF4\08282006\J589594.raw

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133	aaa	gca	aga	aat	caa	ata	aca	cag	ttg	gaa	tcc	ttg	aaa	cag	ctt	cat	1496
															Leu		
135					390					395					400		
137	gag	ttt	gcc	atc	aca	gag	cca	tta	gtc	act	ttc	caa	gga	gag	act	gaa	1544
138	Glu	Phe	Ala	Ile	Thr	Glu	${\tt Pro}$	Leu	Val	Thr	Phe	Gln	Gly	Glu	Thr	Glu	
139				405					410					415			
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142	Asn	Arg	Glu	Lys	Val	Ala	Ala	Ser	Pro	Lys	Ser	Pro	Thr	Ala	Ala	Leu	
143			420					425					430				
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146	Asn	Glu	Ser	Leu	Val	Glu	Cys	Pro	Lys	Cys	Asn		Gln	Tyr	Pro	Ala	
147		435					440					445					
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	60 ctacaatcct aattttgatg tccattgtta agaggtggtg atagatacta ttttttttt																
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178	Lys	Pro	Ser	Asn	Ser	Lys	Ser	Glu	Thr	Thr	Leu	Glu	Lys	Leu	Lys	Gly	
179				20					25					30			
180	Glu	Ile	Ala	His	Leu	Lys	Thr	Ser	Val	Asp	Glu	Ile	Thr	Ser	Gly	Lys	
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183		50					55					60					

Input Set : A:\082368-008900US.txt
Output Set: N:\CRF4\08282006\J589594.raw

184 Val Leu Glu Ala Glu Lys Glu Lys Asn Ala Tyr Gln Leu Thr Glu Lys 186 Asp Lys Glu Ile Gln Arg Leu Arg Asp Gln Leu Lys Ala Arg Tyr Ser 85 90 188 Thr Thr Ala Leu Leu Glu Gln Leu Glu Glu Thr Thr Arg Glu Gly Glu 105 190 Arg Arg Glu Gln Val Leu Lys Ala Leu Ser Glu Glu Lys Asp Val Leu 120 115 192 Lys Gln Gln Leu Ser Ala Ala Thr Ser Arg Ile Ala Glu Leu Glu Ser 130 135 140 194 Lys Thr Asn Thr Leu Arg Leu Ser Gln Thr Val Ala Pro Asn Cys Phe 150 155 196 Asn Ser Ser Ile Asn Asn Ile His Glu Met Glu Ile Gln Leu Lys Asp 170 165 198 Ala Leu Glu Lys Asn Gln Gln Trp Leu Val Tyr Asp Gln Gln Arg Glu 185 200 Val Tyr Val Lys Gly Leu Leu Ala Lys Ile Phe Glu Leu Glu Lys Lys 195 200 205 202 Thr Glu Thr Ala Ala His Ser Leu Pro Gln Gln Thr Lys Lys Pro Glu 215 204 Ser Glu Gly Tyr Leu Gln Glu Glu Lys Gln Lys Cys Tyr Asn Asp Leu 230 235 206 Leu Ala Ser Ala Lys Lys Asp Leu Glu Val Glu Arg Gln Thr Ile Thr 245 208 Gln Leu Ser Phe Glu Leu Ser Glu Phe Arg Arg Lys Tyr Glu Glu Thr 265 260 210 Gln Lys Glu Val His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg 280 212 Ala Asp Val Gln His Leu Glu Asp Asp Arg His Lys Thr Glu Lys Ile 295 214 Gln Lys Leu Arg Glu Glu Asn Asp Ile Ala Arg Gly Lys Leu Glu Glu 310 315 216 Glu Lys Lys Arg Ser Glu Glu Leu Leu Ser Gln Val Gln Phe Leu Tyr 325 330 218 Thr Ser Leu Leu Lys Gln Gln Glu Glu Gln Thr Arg Val Ala Leu Leu 340 345 220 Glu Gln Gln Met Gln Ala Cys Thr Leu Asp Phe Glu Asn Glu Lys Leu 360 222 Asp Arg Gln His Val Gln His Gln Leu His Val Ile Leu Lys Glu Leu 375 224 Arg Lys Ala Arg Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu 390 395 226 His Glu Phe Ala Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr 405 410 228 Glu Asn Arg Glu Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala 420 425 230 Leu Asn Glu Ser Leu Val Glu Cys Pro Lys Cys Asn Ile Gln Tyr Pro 440 435 232 Ala Thr Glu His Arg Asp Leu Leu Val His Val Glu Tyr Cys Ser Lys

Input Set : A:\082368-008900US.txt

Output Set: N:\CRF4\08282006\J589594.raw

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Input Set : A:\082368-008900US.txt

Output Set: N:\CRF4\08282006\J589594.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:23; N Pos. 489,490,491,492

VERIFICATION SUMMARY DATE: 08/28/2006

PATENT APPLICATION: US/10/589,594 TIME: 10:43:28

Input Set : A:\082368-008900US.txt

Output Set: N:\CRF4\08282006\J589594.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:485 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:489 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23

L:498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:480

<210> 23 <211> 5089 <212> DNA <213> Artificial Sequence <220> <223> An artificially synthesized vector sequence <222> (489)...(492) <223>n = GAP n can only represent a single pueleotide, nothing <400> 23